

Substitute for Forms PTO-1449 and PTO/SB/08

## U.S. PATENT AND TRADEMARK OFFICE

## INFORMATION DISCLOSURE STATEMENT

(Use as many sheets as necessary)

Application No.	09/814,607
Filing Date	March 22, 2001
First Named Inventor	Rick V. Murakami
Art Unit	2131
Examiner Name	Aravind K. Moorthy
Attorney Docket No.	36360/1.14

## U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.	Document Number Number-Kind Code (if known)	Publication/ Filing Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
/AM/	A1	US-2001/0033220 A1	10-25-2001	Stone et al.	
/AM/	A2	US-6,219,639 B1	04-17-2001	Bakis et al.	
/AM/	A3	US-6,496,595 B1	12-17-2002	Puchek et al.	
/AM/	A4	US-6,816,605 B2	11-09-2004	Rowe et al.	
/AM/	A5	US-6,920,231 B2	07-19-2005	Griffin	
/AM/	A6	US-7,188,362 B2	03-06-2007	Brandys	
/AM/	A7	US-5,172,698	12-22-1992	Stanko	
/AM/	A8	US-5,586,171	12-17-1996	McAllister et al.	
/AM/	A9	US-6,483,929 B1	11-19-2002	Murakami et al.	
/AM/	A10	US-4,582,985	04-15-1986	Lofberg	
/AM/	A11	US-4,614,861	09-30-1986	Pavlov et al.	
/AM/	A12	US-5,180,901	01-19-1993	Hiramatsu	
/AM/	A13	US-5,623,552	04-22-1997	Lane	
/AM/	A14	US-6,088,585	07-11-2000	Schmitt et al.	
/AM/	A15	US-5,704,352	01-06-1998	Tremblay et al.	
/AM/	A16	US-5,789,733	08-04-1998	Jachimowicz et al.	
/AM/	A17	US-5,872,834	02-16-1999	Teltelbaum	
/AM/	A18	US-4,109,237	08-22-1978	Hill	
/AM/	A19	US-7,133,792 B2	11-07-2006	Murakami et al.	
/AM/	A20	US-4,846,190	07-11-1989	John	
/AM/	A21	US-5,456,256	10/10/1995	Schneider et al.	
/AM/	A22	US-5,982,914	11/09/1999	Lee et al.	
/AM/	A23	US-6,266,566 B1	07/24/2001	Nichols et al.	
/AM/	A24	US-5,526,808	06/18/1996	Kaminsky	



## FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.	Foreign Patent Document Number Country Code <sup>1</sup> Number <sup>2</sup> Kind Code (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>3</sup> ✓
/AM/	B1	JP Sho 60-126787	07-06-1985			
/AM/	B2	JP Sho 63-313288	12-21-1988			
/AM/	B3	JP Sho 63-53099	03-07-1988			
/AM/	B4	JP Hei 1-175362	12-13-1989			
/AM/	B5	JP Hei 4-24889	01-28-1992			
/AM/	B6	JP Sho 63-120385	05-24-1988			

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<sup>1</sup>Enter Office that issued the document, by two-letter code (WIPO Std. ST.3). <sup>2</sup>For Japanese patent documents, the year of the reign of the Emperor must precede the serial number of the document. <sup>3</sup>Place a check mark here if English language translation is attached or "Abs." if English language abstract is attached.

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/AM/	B7	JP Sho 63-20583	01-28-1988		
/AM/	B8	JP Sho 61-175865	08-07-1986		
/AM/	B9	PCT WO 88/04153	06-16-1988		
/AM/	B10	PCT WO 98/37519	08-27-1998		

## NON-PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No.	Include name of the author (in CAPS), title of the article (when appropriate), title of the item (book, magazine, journal, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. For web pages and online documents, include author or site publisher (in CAPS), title of document, web page address (URL), date published (if known), "visited" date, pages.	T <sup>3</sup>
/AM/	C1	BIEL, LENA et al., "ECG Analysis: A New Approach in Human Identification," IMTC/99. Proc. of the 16th IEEE Instrumentation and Measurement Technology Conf., vol. 1, 1999, pgs. 557-561.	✓
/AM/	C2	Office Action for Serial No. 09/815,885 filed March 23, 2001, mailed from the USPTO on March 17, 2008, 12 pgs.	
/AM/	C3	Office Action for Serial No. 10/300,659 filed November 19, 2002, mailed from the USPTO on December 27, 2007, 15 pgs.	
/AM/	C4	Office Action for Serial No. 09/758,836 filed January 10, 2001, mailed from the USPTO on April 17, 2007, 12 pgs.	
/AM/	C5	Office Action for Serial No. 09/758,836 filed January 10, 2001, mailed from the USPTO on July 23, 2008, 16 pgs.	
/AM/	C6	KACHIGAN, SAM KASH, "Multivariate Statistical Analysis," Radius Press, 1991, 1986, 1982, 4 pgs.	
/AM/	C7	HAYES, MATTHEW J., et al., "Quantitative Evaluation of Photoplethysmographic Artefact Reduction for Pulse Oximetry," Optical Engineering Group, Department of Electrical and Electronic Engineering, Loughborough University, Loughborough, Leicestershire, LE11 3TU, UK, SPIE Vol. 3570, 1 September 1998, 14 pgs.	
/AM/	C8	SCHOLZ, UDO, J., "Multivariate Spectral Analysis of the Beat-to-Beat Sampled Cortical NIRS-Signals and the Heart Rate Variability," Department of Neurology, Charite, Humboldt University, Berlin, Germany, SPIE Vol. 3566, September 1998, 6 pgs.	
/AM/	C9	HOEKSEL, S.A., et al., "Detection of Diastolic Notch in Arterial Pressure Signals," Department of Anesthesiology, Cardiovascular Research Institute Maastricht, Maastricht University, The Netherlands, <a href="http://www.medscape.com">www.medscape.com</a> , 1997, 1 pg.	
/AM/	C10	CYSEWSKA-SOBUSIAK, ANNA, "Noninvasive Monitoring of Arterial Blood Oxygenation with Spectrophotometric Technique," Institute of Electronics and Communications, Technical University of Poznan, Piotrowo 3a, PL-60-965 Poznan, Poland, SPIE Vol. 1711, 1992, 14 pgs.	
/AM/	C11	"Artificial Pacemaker," Wikipedia, the free encyclopedia, 3 pgs.	
/AM/	C12	"Type: Rate-Responsive Pacing Systems," Medtronic, 1 pg.	
/AM/	C13	LEICHTER, I., et al., "Effect of Age and Sex on Bone Density, Bone Mineral Content and Cortical Index," Energy Citations Database (ECD) - Energy and Energy-Related Bibliographic Citations, May 1, 1981, 2 pgs.	
/AM/	C14	MILLER, PAUL D., M.D., "Increased Age Is a Risk Factor," "Assessing Fracture Risk: Which Factors Are Clinically Most Important?" 4 pgs.	
/AM/	C15	SMITH, SL, "Attribution of Hand Bones to Sex and Population Groups," Journal of Forensic Sciences, Vol. 41, Issue 3, <a href="http://www.astm.org/cgi-bin/SoftCart.exe/JOURNALS/FORENSIC/PAGES/JFS41396046">www.astm.org/cgi-bin/SoftCart.exe/JOURNALS/FORENSIC/PAGES/JFS41396046</a> , May 1996, printed 1/14/2007, 1 pg.	

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